	Application No.	Applicant(s)	
	00/575 055	LULETAL	
Notice of Allowability	09/575,055 Examiner	LIU ET AL.	<u> </u>
	Chuong A. Luu	2818	<del></del>
The MAILING DATE of this communication appear All daims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOR OF THE OFFICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOR. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate commu GHTS. This application is s	this application. If not included unication will be mailed in due co	ourse. THIS
1. $\boxtimes$ This communication is responsive to <u>September 26, 2005</u> .	·		
2. The allowed claim(s) is/are 28-31.			
<ol> <li>Acknowledgment is made of a claim for foreign priority un</li> <li>a) ☐ All b) ☐ Some* c) ☐ None of the:</li> </ol>	der 35 U.S.C. § 119(a)-(d) o	or (f).	
<ol> <li>Certified copies of the priority documents have</li> </ol>	been received.		
<ol><li>Certified copies of the priority documents have</li></ol>	•••		
<ol><li>Copies of the certified copies of the priority doc</li></ol>	cuments have been received	d in this national stage application	n from the
International Bureau (PCT Rule 17.2(a)).	•		
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" on noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file ENT of this application.	a reply complying with the requ	irements
4. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give			TICE OF
5. CORRECTED DRAWINGS (as "replacement sheets") must	t be submitted.		
(a) ☐ including changes required by the Notice of Draftsperso		v ( PTO-948) attached	
1) ☐ hereto or 2) ☐ to Paper No./Mail Date	_		
<ul><li>(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date</li></ul>	Amendment / Comment or	in the Office action of	
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the	84(c)) should be written on the header according to 37 CF	ne drawings in the front (not the b R 1.121(d).	ack) of
6. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT R	sit of BIOLOGICAL MATE FOR THE DEPOSIT OF BIO	ERIAL must be submitted. No DLOGICAL MATERIAL.	te the
Attachment(s)	5 🗆 11 11 11 11 11 11 11 11 11 11 11 11 11		150)
1. Notice of References Cited (PTO-892)		formal Patent Application (PTO-	152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. □ Interview St Paper No./	ımmary (PTO-413), Mail Date	
<ol> <li>Information Disclosure Statements (PTO-1449 or PTO/SB/06 Paper No./Mail Date</li> </ol>	8), 7. Examiner's	Mail Date Amendment/Comment	
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛭 Examiner's	Statement of Reasons for Allow	ance
	9.		

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## **DETAILED ACTION**

## Allowable Subject Matter

Claims 28-31 are allowed.

The following is an examiner's statement of reasons for allowance: The examiner has reviewed the prior art in light of applicant's claimed invention and finds that the combined claims define over the prior art. The cited prior art does not disclose or suggest a semiconductor device inter alia the limitations "... covering a first area of a dielectric laver, said dielectric laver having a first dielectric constant; exposing a second area in said dielectric laver to a dielectric conversion source so as to increase said first dielectric constant of said dielectric laver in said second area to a second dielectric constant; etching a plurality of capacitor trenches in said second area in said dielectric layer; wherein said dielectric conversion source is selected from the a group consisting of E-beams. I-beams, an amine based chemical. and an oxygen plasma.."

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

## Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chuong A. Luu whose telephone number is (571) 272-1902. The examiner can normally be reached on M-F (6:15-2:45).

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David C. Nelms can be reached on (571) 272-1787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Chuong Anh Luu Patent Examiner October 06, 2005